

NOV 25 2009



Time Medical System
Abbreviated 510(k) Report for MONA MRI system

K092230

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Ref No.: A2009-002-060
510(k) Summary

Exhibit #9 510(k) Summary

This 510(k) Summary is being submitted in accordance with the requirements of SMDA 1990 and 21 CFR 807.92.

The assigned 510(k) number is: _____

Date of Submission: May 11, 2009

Sponsor: **Time Medical Limited**
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Hong Kong Science Park, Shatin, New Territories,
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Correspondent: Ms. Diana Hong / Mr. Lee Fu
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Shanghai, 200030, China
Email: Diana.hong@mid-link.net

Proposed Device

Trade Name: Mona - Orthopedic MRI System
Model: TMS-2000ORTH-01
Classification Name: System, Nuclear Magnetic Resonance Imaging
Product Code: LNH
Regulation Number: 892.1000
Device Class: II

Predicate Device: mStar MPF4500 (K073457)

Intended Use: Mona - Orthopedic MRI System is indicated for use as magnetic resonance diagnostic devices (MRDD) that produce transverse, sagittal, coronal and oblique cross sectional images, and that display the internal structure of the



head, body, or extremities. Depending on the region of interest, contrast agents may be used. These images when interpreted by a trained physician yield information that may assist in diagnosis.

Device Description: Mona - Orthopedic MRI System is a 0.2T permanent magnet MRI system. It is composed of Magnet, Magnet Enclosure, Patient Table, Gradient Coil, RF Transmission Coil, RF Receiver Coil, Client PC, and Imaging Cabinet. The system software, PRODIVA, based on Windows XP® Professional is an interactive program with user friendly interface.

Testing Conclusion: Performance testing including clinical and laboratory testing was conducted to validate and verify that the proposed device, Mona - Orthopedic MRI System met all design specifications and was substantially equivalent to the predicate device. The proposed device complies with the following standards: IEC 60601-1:1988+A1:1991+A2:1995 / IEC 60601-1-1:2000 / IEC 60601-1-2:2001+A1:2004 / NEMA MS-1-2001 / NEMA MS 2-2003 / NEMA MS 3-2003 / NEMA MS 5-2003 / NEMA MS 6-1991 / NEMA MS7:1993 / NEMA MS8:1993(R2000).

SE Conclusion: Mona - Orthopedic MRI System, is claimed to be Substantially Equivalent (SE) to the predicate device, mStar MPF4500 (K073457)



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
10903 New Hampshire Avenue
Document Control Room – WO66-G609
Silver Spring, MD 20993-0002

NOV 25 2009

Time Medical Limited
c/o Mr. Marc Mouser
Underwriters Laboratories, Inc.
2600 NW Lake Road
CAMAS WA 98607-9526

Re: K092230

Trade/Device Name: Mona – Orthopedic MRI System
Regulation Number: 21 CFR §892.1000
Regulation Name: Magnetic resonance diagnostic device
Regulatory Class: II
Product Code: LNH
Dated: November 11, 2009
Received: November 13, 2009

Dear Mr. Mouser:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical

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device-related adverse events) (21 CFR 803); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

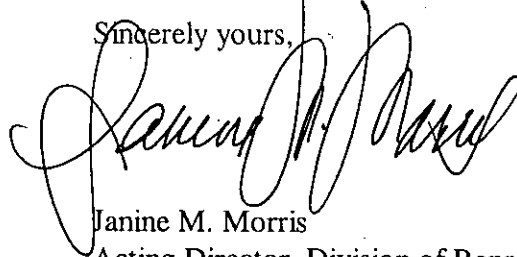
If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please go to <http://www.fda.gov/AboutFDA/CentersOffices/CDRH/CDRHOices/ucm115809.htm> for the Center for Devices and Radiological Health's (CDRH's) Office of Compliance. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to

<http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm> for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address

<http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm>.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Janine M. Morris", is written over the typed name.

Janine M. Morris
Acting Director, Division of Reproductive,
Abdominal, and Radiological Devices
Office of Device Evaluation
Center for Devices and Radiological Health

Enclosure



Time Medical System
Abbreviated 510(k) Report for MONA MRI system

Ref No.: A2009-002-060
Section II Indication for Use

Exhibit #8 Indication for Use

510(k) Number: K092230

Device Name: Mona - Orthopedic MRI System

Indications for Use:

Mona - Orthopedic MRI System is indicated for use as magnetic resonance diagnostic devices (MRDD) that produce transverse, sagittal, coronal and oblique cross sectional images, and that display the internal structure of the head, body, or extremities. Depending on the region of interest, contrast agents may be used. These images when interpreted by a trained physician yield information that may assist in diagnosis.

Prescription Use ☒
(Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use ☐
(21 CFR 801 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE OF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

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Division Sign-Off

Division of Reproductive, Abdominal,
and Radiological Devices

510(k) Number

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